Contents Volume 279/1–3

J.R. Gómez, A. Jiménez-Merchán and J. Núñez-Valdés
An algorithm to obtain laws of families of filiform Lie algebras .. 1

L. Elsner and D. Hershkowitz
Hadamard functions preserving nonnegative H-matrices 13

T.-G. Lei and B.-Y. Wang
Indices and nonzero decomposable elements of a symmetry class of tensors 21

S. Mecheri
Derivation ranges 31

R. Fleming, G. Grossman, T. Lenker, S. Narayan and S.-C. Ong
On Schur D-stable matrices 39

K. Burrage, Z. Jackiewicz and B. Welfert
Block-Toeplitz preconditioning for static and dynamic linear systems 51

S. Fujishige and Z. Yang
A lexicographic algebraic theorem and its applications 75

G. Xu, M. Wei and D. Zheng
On solutions of matrix equation $AXB + CYD = F$ 93

L. Li
An improvement on Ky Fan's theorem of matrix eigenvalues ... 111

M. Carriegos, J.A. Hermida-Alonso and T. Sánchez-Giralda
The pointwise feedback relation for linear dynamical systems ... 119

M. Wei and A.R. De Pierro
Perturbation analysis of the canonical subspaces 135

P. Nylen
Null space structure of tree-patterned matrices 153

S.K. Godunov and M. Sadkane
Computation of pseudospectra via spectral projectors 163

S.M. Rump
The sign-real spectral radius and cycle products 177

Table of Contents continues

D. D'Alessandro
Invariant manifolds and projective combinations of solutions of the Riccati differential equation 181

R. Meshulam and N. Radwan
On linear subspaces of nilpotent elements in a Lie algebra 195

A. Pinkus
An interlacing property of eigenvalues of strictly totally positive matrices 201

J.-Y. Shao and S.-G. Hwang
Generalized exponents of non-primitive graphs 207

E.A. Jonckheere, F. Ahmad and E. Gutkin
Differential topology of numerical range 227

D.L. Boley
The algebraic structure of pencils and block Toeplitz matrices .. 255

Z. Chen and W. Li
A note on nonnegative normal matrices 281

A. Böttcher and S.M. Grudsky
On the condition numbers of large semi-definite Toeplitz matrices 285

I.G. Ivanov and S.M. El-sayed
Properties of positive definite solutions of the equation $X + A^*X^{-2}A = I$ 303

Y.Y. Lu
Exponentials of symmetric matrices through tridiagonal reductions 317

Author Index 325